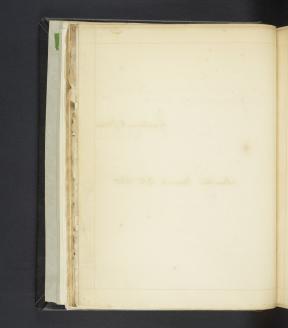
Dissertation on Bilions Inglammatory Fever. No 2016 Market St . Gustains V. Jones OfVirginia admitted March 13th 1820



A dipertation de -



## Bilious Inflammatory Fever.

Belious inflammatory fewer is one of the most common discours of the United States. It is to be met with Thompsont their whole water took, and at all narms of the years, but preaches most generally to the worth, and their during the warmer seasons.

The cause which produce it are verious, whatever tends to enswate the body, as great fatigue, wished exertions, intemperance in extens, or south exertions, intemperance in extens, or south fear, as griff fear, angesty see old applied to the body previously dibilitated, checking perfinantion, by previously dibilitated, checking perfinantion, by master as an executing cause. But of all the causes of this disease, there is not one of more general influence, or which is more universally admitted, than march miasmate.

Lancisi, an Italian, was the first who appears



confirmed The justness of his observations. The exact nature of these exhalations is not properly understood, but they are generally admitted to arise from putrid vegetable mat ter, acted on by heat and maisture. They are sometimes carried to the distance of several miles in a state capable of producing disease, centrated, and virulent in hot climates, and in warm seasons, than in the more temperate climates. It further appears, that the nature of the diseases themselves are governed by the degree of virulence of these miasmala, so much so, that Cullen gave it as his opin ion, that Intermittent, Remittent, and Continued fevers were produced by the same causes, acting with different degrees of force. These, then, are the principal causes, which, applied to the body, produce the disease



under consideration, the symptoms of which are described as follows

The patient is seized with a considerable degree of langour or sense of debility, together with sluggishness in motion, and frequent youring and stretching; the face and extremities at the same time become hale, and the shin over the whole surface of the body appears constricted; the patient their per - cives a sensation of cold in the back, pape ing from thence over his whole frame; and this sense of cold continuing to increase, tremors in the limbs and rigors of the body sur ceed. Along with there symptoms, are a loss of appetite, want of natural taste in the mouth, slight pains in the head, back and loins, and a small and frequent respira-Lion. The sense of cold and its effects after a little time decrease, and are alternated with flushings, and at last, going off altogether,



they are succeeded by great heat diffused gon coally over the whole hody; the fare now is flusted the thin is day, as thewire the tengue; the is great vertlespress, with a violent paintient head, offerspion at the chest, secknep at the stomach, and an inclination to vernit.

There are behavious great thirst and conturney, and the pulse is full and frequent, beating perhaps 20, 100, or 120 dockers in a minute. When the egonphoms of the disease non very high, and there is a considerable delemination of blood to the head, delivium will arise. In this fever, as well as most others of the continued kind, there is generally others of the continued kind, there is generally or inverse of the symptoms towards evening.

If the disease is thely to prove potal, either by its long continuouse, or by the severity of its symplems, there are a starting of the landons, preching at the leducloths, involuntory dis-



-charge by wine and stool Foodomp of the extionities and his up, will be stimued: where no such oppearance take place, the disease will go through its course, and at longth cease.

The symploms pointing out the approach of a crisis, and, the pulso becoming seft, modives, and near its natural speed; the langue lossing its for and becoming clean, with an about most of third; the shun being cornered with a sentle moisture, and feeling soft to the tout of the senseloy organs and feeling their sound of the senseloy organs depositing flash orgitals of a dirty sed colour, and becoming turbed on heing allowed to stand any time.

There are the symptoms usually attending this disease, and from a review of thou, we should be led to pronounce it a disease of high action; and this is unquestionably the form which it usually afrances in our climate. The plan of treatment indicated is obvious. We



must subdue involvante action and bring it to the natural standard, and of all the remedies we popped to meet this indication remedies we popped to be the mest prompt, and efficacions. This operation being determined on the blood should be shown from a large crifice, as it is universally admitted that the effect, attending the evaluation is in proportion to the suddensh with which the to the suddensh with the to the suddensh with the to the suddensh with the time.

Bleeding, as it is the most managiable powers as it pepipes the most absolute influence over animal movements, either as directly of feetive of a final purpose, or as proparation to the action of other mans necessary to ensure the final purpose. As it respects the repetition of the operation we should be governed intirely by the symptoms present; as long as the pulse is throng and frequent, the breathing difficult, with pain and restlepup, venescition is certainly the remedy to be used.



Difsections, too often, show the fatal consequences of neglecting it.

Plaving subdued the most argent inflammalory symptoms, wouldy present in the commenonment of this disease, by the meansalove recommended, our altention is next turned to the state of the alimentary canal. The intimate sympathy subsisting between it-parductary the domach and the next of the system, is such as to render it are of the system, is such as to render it are of primary importance in the treatment of siscere The stomach is generally opposited with a foul, offenive matter for the warration of which amelies become neighbory.

By the operation of coneties not only are the contents of the stornach evacuated, but the headach, and nauseas, such frequent attendants on this disease, are relieved; the best of the shin is lifered, and amad a mild diaphanie flinds; over the surface, even a reliction



of the disease is sometimes obtained. But it is oftener necessary to have frequent recourse to this remedy, in order, to bring about so desirable an end; and it is occasionally necessary to repeat the sometic several limes in the day. The emotic most highly recommended by Dr Chapman is a combination of Specae, and tartanged antimony; the former gives promplues of operation to the emetic, and the latter by making a permanent impression on the system breaks the catenation of morbid approachous by which the disease is hept up. The difficult respiration, and cough, which are such frequent and distressing attendants on this complaint, are often so promptly relieved by the remedy under consider evalion as to have given rise to the openions. that they are produced by a sympathelical con nexion between the stomach and lungs.

Verniting is unquestionably one of the most important means made use of to arent the progrep of bilious fiver; as it executes the contents



of the elemach; as it imalges the biliary and pamerealize ducts; as it examples the contents of the ducdonum, and perhaps, also of a larger portion of the intestines; as it agitates the whole of the abdominal occurs, expedis the circulation in them and promotes their several userlines; and lartly as agitating also the view of the though it has the effects there. Well these several effects are in many cases of the feeth and consideration, present with advantage.

By a natural transition of path the class of cometies to tatharties. Then medicines increase the securation for the intestines, and whither we consider them as merely consisting the contents of the interlines, or as likewise increasing the dishaps from their exhalant which they promise to be a class of semidistry of the interlines. In the treatment of bilious fover we are prevented from carning bloodsting to the extent the symptoms seem to inducate, through far of



reducing the system too low to withstand the war waters from the alimentary land, which are absolutely neighbory for the discharge of the inordinate guaranties of bile neutral during the disease. This is the clap of remedia their precisely suited to the case, they discharge the contents of the dimension that are they discharge the contents of the dimension to the discharge the contents of the dimension to the discharge the contents of the dimension.

If we consider the quantity of fluids constant by foresent in the cavity of the intestine, and the quantity which may be drawn from the in-numerable exerctories that open into this cavity, it will be obvious that a very great evacuation can be made by purging; and if this be done to you attend to the intestines, without being at the same time communicated. It will be soft the sent of the bedy, it may, by employing both the cavity of the intestine, and the arteries which furnish the exerctions powed into it, induce a considerable volustation in the whole system; and there force purging sums to be a remedy particularly well



suited to this stage of the disease. The best Cathartic here to be used is mureury; 10 or 15 grains of Calomel, succeeded by a dose of Jalap or abubart, have been found to evacuate the bile more effect tually, and to produce a more speedy solution of the disease than any other purge. Indeed it might well be said in reference to Colomel, that The action of Eatharties is not confined to the parts to which they are directly applied: Their stimular is extended to the neighbouring organs, and hence they promote the secretions, and increase the dis charge of the bile and other fluids usually pour ed into the intestinal canal. D? Chapman remarks, that in the administration of purges in fever, we should watch for the rimificon, as otherwise, they are apt to lie inactive upon the Homach; give a purge, continues he, during the paroxysm and it will either be immediately re--juted, or will be madive in the stomach for



The initability of the stomach is sometimes so great as to make it reject every thing taken in to it as soon as neceived; and in this case it be bowels by means of enemata frequently repeated until the initability is removed. The same mans are sometimes rendered necessary, from the obste-- nate constipation which often attends believes disorders, and refuses to yield to the most dras necessary discharges are easily obtained by the means here recommended: When most of the pre parations commonly used have failed of suc cefs, a solution of lastanged antimony, thrown up the rectum, has procured full and fre

After the alimentary canal has been fred from its nozious contents by the above means frequent laxatives become needary. It is a may im generally observed in the treatment of this



disease, that as long as the febrics symptoms continue there is a disposition to accumulations of matter in the intestines, which, if furnitled to remain, some fait to act as a cause of initation to the system.

At this stage of the disease, when the more inflammatory symptoms have been subdued by the plan of treatment above detailed, diapho - reties become of the atmost importance : Several circumstances contributed to lead physicians to their free use in fevers. The shin is generally dry and hot; and it was often observed that a spontaneous salutary crisis was marked by di - aphoresis or even by a copious sweat. Hence it was concluded that by following the paths nature pointed out, and induring this relaxed state of the vefsels of the shin, the disease might be removed. But in their administration great ear tion is to be observed. As long as the shin is dry and hot, those which are of the stimulating hind



are to be avaided; as, if they fail in producing sweat, they will most apuredly aggravate the symptoms they were intended to relieve. Those diaphorelies which reduce arterial action, and relay the extreme vefsels, are here to be used; and The medicines best calculated for this pur pose are the antimorial preparations; and of these the one in most general practice is the Tartar emelie; administered in the dase of from at to a to of a grain it's power over diseased is so promptly evinced, as to have given rise to the opinion that it popers powers decidedly antifebrile, independently of its action as a di - phonetic. In its administration care should be taken never to carry it to the extent of nause aling the stomach; it being a law of the animal economy that if nausea exist to any extent it will be followed by reaction, which necessarily increases the fever. But cases will sometimes occur where, from the irritability



of the stomach, the antimonist cannot be retained. Here we must resort to some of their kindred articles; and of these the estine mixture is the best. This not only has great power in subdiving arterial action but givets inteliar.

It sympathetic convexion appear to yeld to twen the stomach and mapicof the bedy in consequence of which the state of the own is to a cirtain extent communicated to the others this is exemplified in some cases of initiating thomseld, which after refusing to yield to the remedies usually unplayed as long as the shin remains usually unplayed as long as the shin remains contincied, is at once releved by the appearance of a diaphoneis on the surface; whether spontanous or presented by art.

Another namedy of considerable importance in the treatment of this disease is cold, whether we employ it in the form of cold air let into the soon, or of cold water applied to the body, this this is to be used under witain restrictions



Gold, as an antiphlogistic remedy, should never be applied in so high a degree as to produce a disagreeable sensation. If it be, it wile certainly irritate and prove injurious. When so employed as gradually to evacuate calorie from the system it does good. In The treatment of febrile diseases, the air of bed chambers should be always hept at a moderate temperature so as to be perfectly grateful to the feelings of the sich, not so as to produce chillings. When the febrile heat is high, and burning, and the shin dry, The continued application of cold water to The hands, wrists and temples, and sauselines to the feet and ancles, proves exceedingly pleasant, and is at the same line highly efficacious in moderating the except of an terial action. The water may be applied either by wet cloths frequently renewed, or by repeated affurious. In this case partien-



larly great caution is requisite, but some degree of childreness mutt from the operation. Where in the every above recommended it reduces the activity of the bloodrefiels, cause disposing and quiets the iritalitation and restleptup of the patient. But it is to receive the that this remedy is remove to be used when the pulse is feeble or symptoms of debility pressie, as the cell applications will lend to increase the explaintation.

In the farther prosecution of the heatment of this disease we come is the application of blesters; and here I would only remark that they should never be used until previous evacuations have been freely premised, for if they be applied during an early period when the manaret fact to do michief; they simply add the ameunt of their own stimulation to that under which the eystern is already labouring; and by



That means augment the force of pebrile action. In cases of inflammatory pever the lamest should have nearly counpleted its duty before blisters are called alo requirition.

The cases in which blisters are particularly indicated on whom after the general system has been pretty well reduced there remain merbid affections of prosticular parts: by the affection of blisters to these relief is obtained and the they eradicate the test remains of diseases which might otherwise prove a source of much pain and distrept.

Naving gone through the general treatment of the disease it may be joight here to make a few observations on the proper course which should be observed by the patient.

During the early stage of the disease, when the symptoms are inflamatory it is obvious



that every thing which tends to stimulate The system should be carefully avaided, and all such means made use of as tend to re duce action and calm irritation. As condu ing to this and the antiphlogistic regimen should be strictly observed; The patient should be hept cool and perfectly at rest, the room should be kept quiet and no person should be admitted except the newsary attendants, When the disease has been subdued, and there is on by debility remaining . The patient should return very gradually to his former habits; his diet should be simple, light and of a digestible nature, and his exercise should be in proportion to his strength, gradually increasing it as his though improves until it be perfectly restored.

